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FCC Warning

The PCT-2312BTFX has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These standards are designed to provide reasonable protection against harmful interference when this device is operated in a commercial environment. This devices generate, use, and can radiate radio frequency energy and may cause harmful interference to radio communications unless installed in accordance with this User's Guide. Operation of this device in a residential area is likely to cause harmful interference in which cases the user is responsible for taking appropriate remedial action at his / her own expense.

CE Mark Warning

This is class A products. In a domestic environment this product may cause radio interference in which case the user will need to consider adequate preventative methods.

1. Checklist

Your PCT-2312BTFX carton should contain the following items:

- PCT-2312BTFX Converter
- AC-DC Power Adapter
- User's guide

Please notify your sales representative immediately if above items are missing or damaged.

2. Overview

PCT-2312BTFX is designed to meet the emerging network deployment needs. This cost effective solution allows user to extend their network distance up to 100KM via optical fiber.

Beside a traditional Converter, PCT-2312BTFX had built-in monitoring & self-diagnostic functions to guarantee the operation. These smart monitoring functions allow user to maintain and diagnose their critical fiber network more efficiently.

PCT-2312BTFX is fully compliant with IEEE 802.3, 802.3u standards. Installation and operation procedures are simple and straightforward. Operation status and Smart Monitor may be monitored through the LED or the Buzzer.

Feature and Benefits

- 10/100Base-TX to 100BASE-FX Converter
- Comply to IEEE 802.3, 802.3u
- Interface: 1 * RJ-45 connector
  1 * SC Duplex connector
- MDI/MDIX Auto-Crossover supported
- Support Remote Look Back Diagnostic
- Support local and remote status monitor: fiber link status monitor and testing mode status
- Support Diagnostic testing

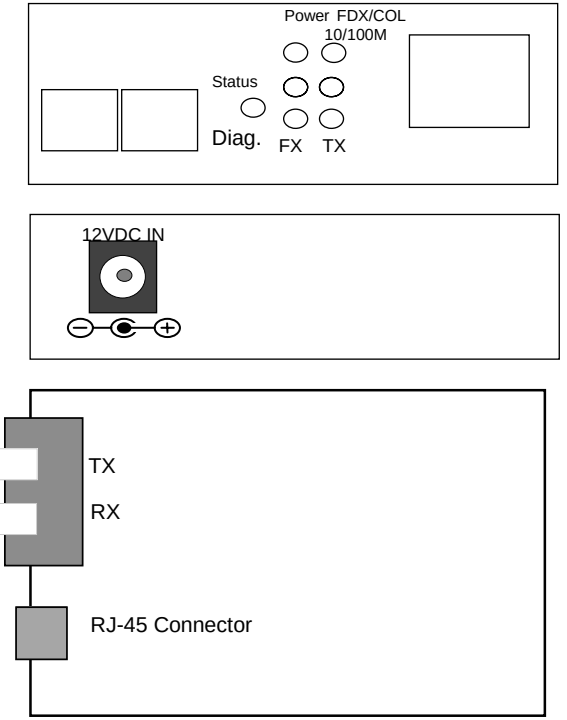
  Compatible with CCT-Chassis II Module Management and H/W spec(CCT 2312)

  Remote Control Auto/Speed/Duplex/Flow by CCT 2312

3. Installation

The installation procedure is simple and straightforward:

- Attach fiber cable from the PCT-2312 SC connector to the fiber network.
- Attach a UTP cable from the PCT-2312 RJ-45 connector to the copper network.
- Connect the power adapter to the PCT-2312 and check that the Power LED lights up. The TP Link and FO Link LED will turn on when all the cable connections are satisfactory.



PCT-2312BTFX Converter Front, Rear, Side & Top view

4. LED Description

LED	Color	Function
Power	Green	Lit when power is available
TX/Link ACT	Green	Lit when TP cable connection with remote device is good
FX/Link ACT	Green	Lit when Fiber cable connection with remote device is good
FDX/COL	Green	Lit when TP work in Full Duplex mode
Status	Green	Lit when Local or Remote Fiber link O.K.
		Blinking when testing success
	Orange	Lit under below condition: Remote/ Local FX/TX port link down Connect device not TS-1000
		Blinking when testing failure
10/100M	Green	Lit when TP link in 100M

5. Technical Specifications

Standards : IEEE 802.3, 802.3u

Interface: 1 X RJ45 connector
1 X SC Duplex connector

Diagnostic LED: Power, TX/Link ACT, FX/Link ACT
FDX/COL, Status, Speed

Power: DC12V,

Power Consumption 4W

Shipping Weight 0.8 kg

Dimensions: 140mm × 78 mm ×26 mm(W x D x H)

Temperature : Operating: 0 ~ 50 °C
Storage: -20 ~ 60 °C

Humidity: 5% ~ 90% RH

Emission: EMI: FCC/CE Class A

For further reports, please contact us for update

UTP Cat. 5 UTP cable

Fiber 50/125, 62.5/125, or 100/140μm multimode
8.3/125, 8.7/125, 9/125 or 10/125μm single-mode

6. Fiber Optic Information

Fiber Optic Detail:
Multi-mode

PCT-2312BTFC : SC/1310nm/2Km
PCT-2312BTFT : ST/1310nm/2Km

Single-mode

PCT-2312BTFC (SM-30): SC/1310nm/30Km
PCT-2312BTFC (SM-50): SC/1310nm/50Km
PCT-2312BTFC (SM-80): SC/1310nm/80Km
PCT-2312BTFC (SM-100): SC/1550nm DFB /100Km

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PCT-2312BTFX

10/100Base-TX TO 100Base-Fx
Smart Diagnostic
Media Converter
User's Guide

V 1.1